Amendment "B"

Amen	dment	s to the	claims
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Claim 23 has been amended and claims 24, 27-29 and 49 have been cancelled, without prejudice, as provided below:

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Claim 1 (original). A media level measurement apparatus, comprising:

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a sensor configured to provide a temperature signal corresponding to an ambient temperature;

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a controller configured to provide a first signal and a second signal;

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a source configured to provide an electrical current in response to the first

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signal;

a thermistor device electrically coupled to the source and configured to provide a level signal corresponding to a level of a media in contact with a

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lengthwise portion of the thermistor device during the electrical current; and

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with a comparison between the level signal and the temperature signal in response

a signal processor configured to provide a media level signal in accordance

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to the second signal.

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Claim 2 (withdrawn). The apparatus of claim 1, and wherein the signal processor

includes an analog-to-digital converter.

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Claim 3 (original). The apparatus of claim 1, and wherein the media is an imaging

media.

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Claim 4 (original). The apparatus of claim 1, and wherein the source is further configured to provide a predefined pulse of electrical current in response to the first

signal.

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Claim 10 (withdrawn). A level measurement apparatus, comprising:

a microcontroller including an executable program code and a plurality of lookup tables, each of the lookup tables including level data, the program code configured to cause the microcontroller to:

provide a trigger signal;

sense a level signal at a predetermined time after providing the trigger signal;

sense an ambient temperature signal;

cross-reference a particular one of the plurality of lookup tables corresponding to the ambient temperature signal;

cross-reference particular level data within the particular lookup table corresponding to the level signal; and

provide an imaging media level signal in accordance with the particular data.

Claim 11 (withdrawn). The level measurement apparatus of claim 10, and further comprising an electrical source electrically coupled to the microcontroller and configured to provide a pulse of electrical current in response to the trigger signal.

Claim 12 (withdrawn). The level measurement apparatus of claim 10, and further comprising a thermistor device electrically coupled to the microcontroller and configured to provide the level signal in correspondence to a level of an imaging media in contact with a lengthwise portion of the thermistor device during a pulse of electrical current applied to the thermistor device.

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Claim 13 (withdrawn). The level measurement apparatus of claim 12, and wherein the thermistor device is further configured to be supported such that the lengthwise portion extends along a majority of a depth-wise dimension of an imaging media reservoir. Claim 14 (withdrawn). The level measurement apparatus of claim 12, and wherein the thermistor is further configured such that the level signal includes a varying resolution corresponding to the level of the imaging media in contact with the thermistor device. Claim 15 (withdrawn). The level measurement apparatus of claim 10, and further comprising an ambient temperature sensor electrically coupled to the microcontroller and configured to provide the ambient temperature signal. Claim 16 (withdrawn). The level measurement apparatus of claim 10, and wherein each of the plurality of lookup tables includes a plurality of data records, each data record including: a predetermined range of values of the level signal; and the level data representing an imaging media level corresponding to the predetermined range of values.

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24 25 Claim 17 (withdrawn). A media level measurement apparatus, comprising:

a controller configured to provide a first signal and a second signal;

a first current source and a second current source each configured to provide a pulse of electrical current in response to the first signal;

a thermistor device electrically coupled to the first current source and configured to provide a level signal corresponding to a level of an imaging media in contact with a lengthwise portion of the thermistor device during the associated pulse of electrical current;

a sensor electrically coupled to the second current source and configured to provide a temperature signal corresponding to an ambient temperature during the associated pulse of electrical current; and

a signal processor configured to provide a media level signal in accordance with a comparison between the level signal and the temperature signal in response to the second signal.

Claim 18 (withdrawn). The apparatus of claim 17, and wherein the sensor and the thermistor device are defined by substantially equivalent temperature coefficients.

Claim 19 (withdrawn). The apparatus of claim 17, and wherein the first current source and the second current source and the thermistor device and the sensor are mutually electrically coupled to define a bridge circuit.

Claim 20 (withdrawn). The apparatus of claim 17, and wherein the thermistor device is further configured such that the level signal includes a varying resolution corresponding to the level of the imaging media in contact with the thermistor device.

Claim 21 (withdrawn). The apparatus of claim 17, and wherein the thermistor device is further configured to be supported such that the lengthwise portion extends along a majority of a depth-wise dimension of an imaging media reservoir.

Claim 22 (withdrawn). The apparatus of claim 17, and wherein the controller is further configured to:

provide the first signal;

wait for predetermined period of time; and

provide the second signal after the predetermined period of time.

Claim 23 (Currently amended). An imaging apparatus configured to form images on a sheet media, comprising:

a reservoir configured to support an imaging media, the reservoir defining a depth-wise dimension;

a thermistor device configured to provide a level signal corresponding to a quantity of an imaging media within a majority of the depth-wise dimension of the reservoir; and

a controller coupled in signal communication with the thermistor device and configured to control at least one operation of the imaging apparatus in accordance with the level signal, wherein the controller is further configured to provide a level message corresponding to the level signal to a user computer.

Claim 24 (Cancelled).

Claim 25 (original). The imaging apparatus of claim 23, and wherein the thermistor device is further configured to provide the level signal in correspondence to a level of the imaging media in contact with a lengthwise portion of the thermistor device.

Claim 26 (withdrawn). The imaging apparatus of claim 25, and wherein the thermistor device includes a thermal window defining the lengthwise portion of the thermistor device and configured to contact the imaging media.

Claims 27-29 (Cancelled).

Claim 30 (withdrawn). The apparatus of claim 27, and wherein:

the thermistor device includes a thermal window defining a lengthwise portion of the thermistor device; and

the thermal window is configured to contact the imaging media within the majority of the depth-wise dimension of the reservoir.

Claim 31 (withdrawn). The apparatus of claim 27, and wherein the thermistor device is further configured such that the level signal defines a varying resolution corresponding to the quantity of the imaging media within the majority of the depthwise dimension of the reservoir.

Claim 32 (withdrawn). A thermistor device, comprising:

a substrate; and

a thermistor material supported by the substrate, wherein the thermistor device is configured to provide an electrical resistance corresponding to a level of a media in contact with a lengthwise portion of the thermistor device.

Claim 33 (withdrawn). The thermistor device of claim 32, and wherein the thermistor material substantially defines a strip including a lengthwise varying cross-sectional area.

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Claim 34 (withdrawn). The thermistor device of claim 32, and wherein the thermistor material defines first and second substantially perpendicular lengthwise portions.

Claim 35 (withdrawn). A thermistor device, comprising:

a plurality of discrete thermistors electrically coupled as a series circuit, wherein the thermistor device is configured to provide an electrical resistance corresponding to a level of a media in contact with a lengthwise portion of the thermistor device.

Claim 36 (withdrawn). The thermistor device of claim 35, and wherein each of the discrete thermistors are defined by a respective temperature coefficient, and at least one of the temperature coefficients is substantially different than the other temperature coefficients.

Claim 37 (withdrawn). A thermistor device, comprising:

a mandrel; and

a thermistor wire defining a helix supported about a lengthwise portion of the mandrel, wherein the thermistor device is configured to provide an electrical resistance corresponding to a level of a media in contact with a lengthwise portion of the thermistor device.

Claim 38 (withdrawn). The thermistor device of claim 37, and wherein the thermistor wire defines a helix defined by a varying pitch.

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Claim 43 (original). A method of measuring a media level, comprising:

providing a thermistor device;

supporting a lengthwise portion of the thermistor device in contact with the media;

applying an electrical pulse to the thermistor device;

waiting for a predetermined period of time;

sensing a level signal from the thermistor device after the predetermined period of time;

sensing an ambient temperature;

comparing the ambient temperature to the level signal; and

providing a media level signal in response thereto.

Claim 44 (original). The method of claim 43, and wherein sensing the level signal from the thermistor device after the predetermined period of time occurs during a predetermined portion of the applied electrical pulse.

Claim 45 (original). The method of claim 43, and wherein supporting the lengthwise portion of the thermistor device includes supporting the lengthwise portion of the thermistor device such that the lengthwise portion extends along a majority of a depth-wise dimension of a media reservoir.

Claim 46 (original). The method of claim 43, and wherein the media is an imaging media.

Claim 47 (original). The method of claim 43, and wherein sensing the level signal from the thermistor device after the predetermined period of time occurs after the applied electrical pulse.